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# Fundamentals of Reliability Goals





Goals,  
targets





objective,  
requirements







milestones,  
whatever...



How do you  
talk about reliability?



# Four Elements





# Function

## Four Elements

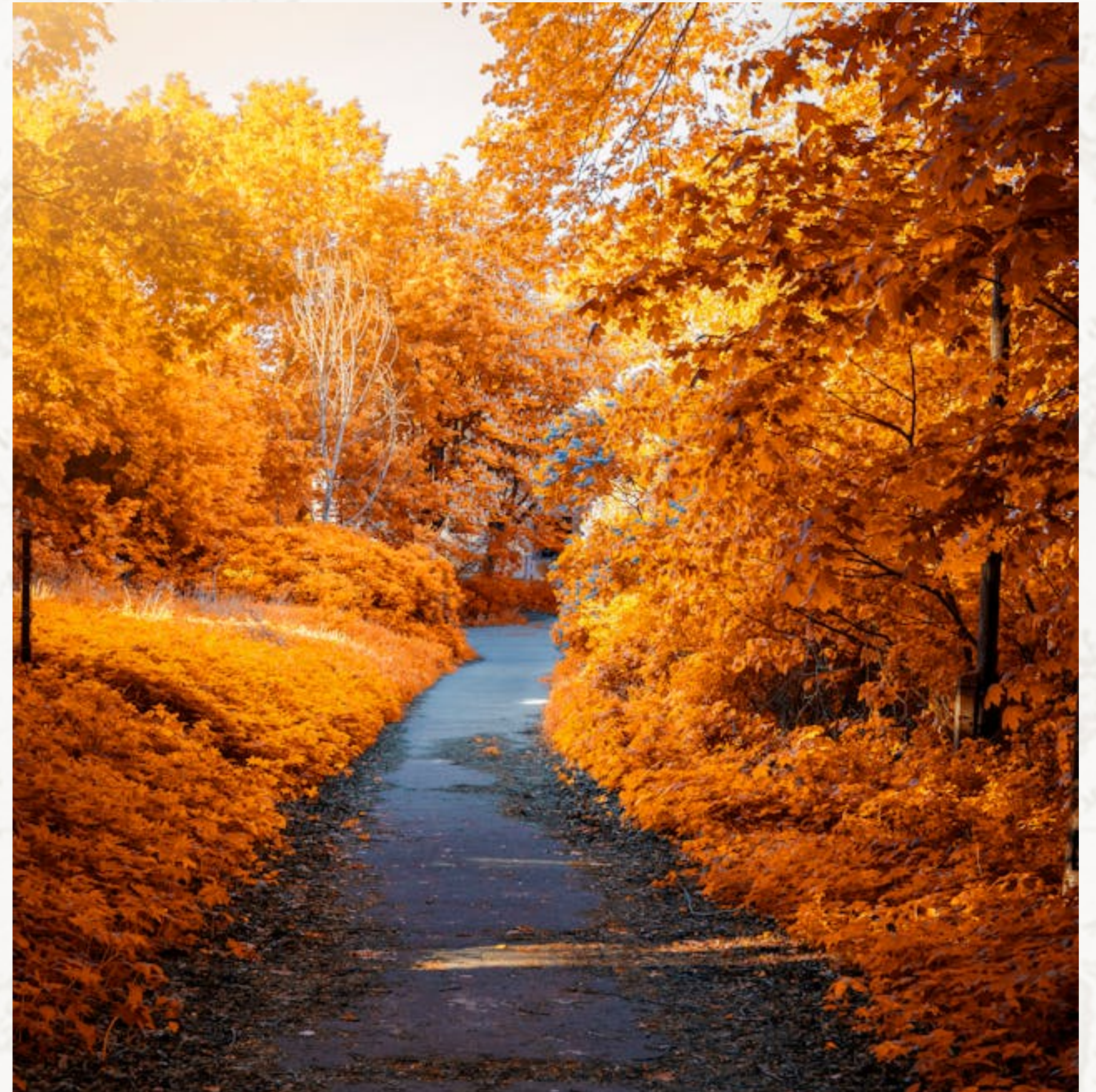
Primary function

what does this thing do?

All other functions matter

they are detailed elsewhere

(or should be)





# Environment

## Four Elements

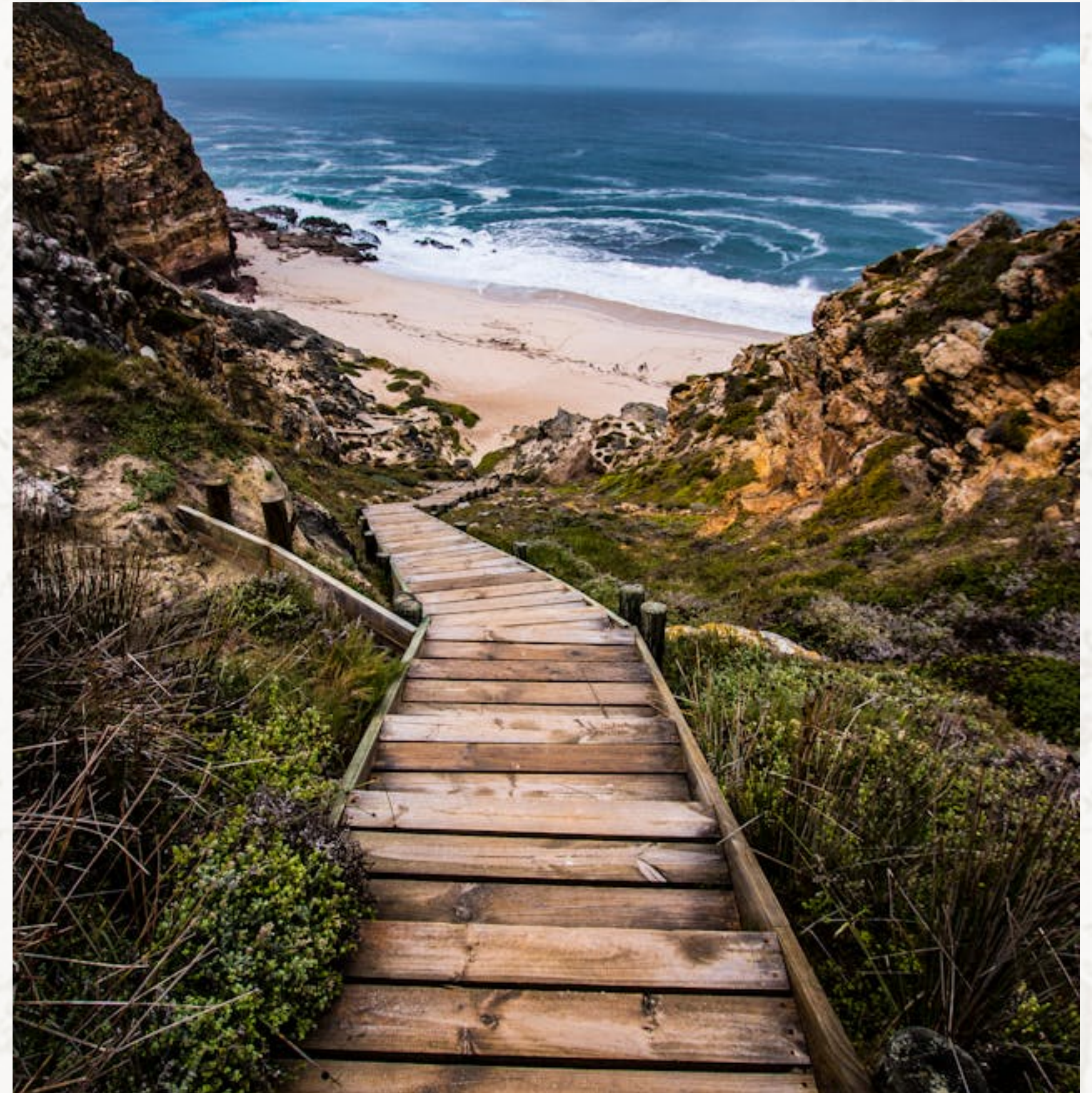
Where and how

The weather and conditions of the location(s) of use

How and how often used

In the goal statement, keep brief

Have another document with all the details





# Probability & Duration

## Four Elements

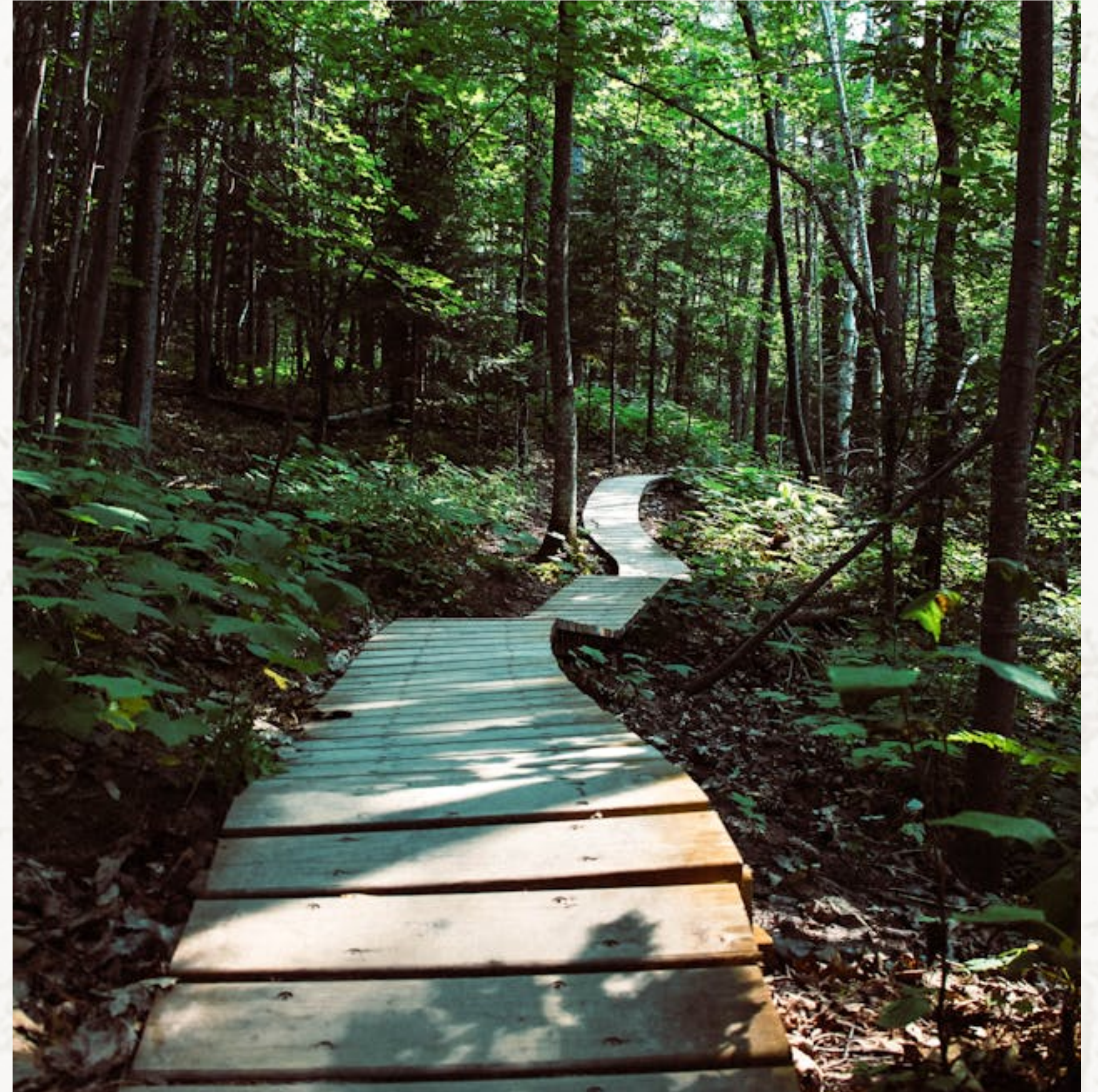
Couplets

Probability of Success  
over a specified duration

out of box

warranty

operating life





**What drives**

**the goal?**



# Goal Inputs





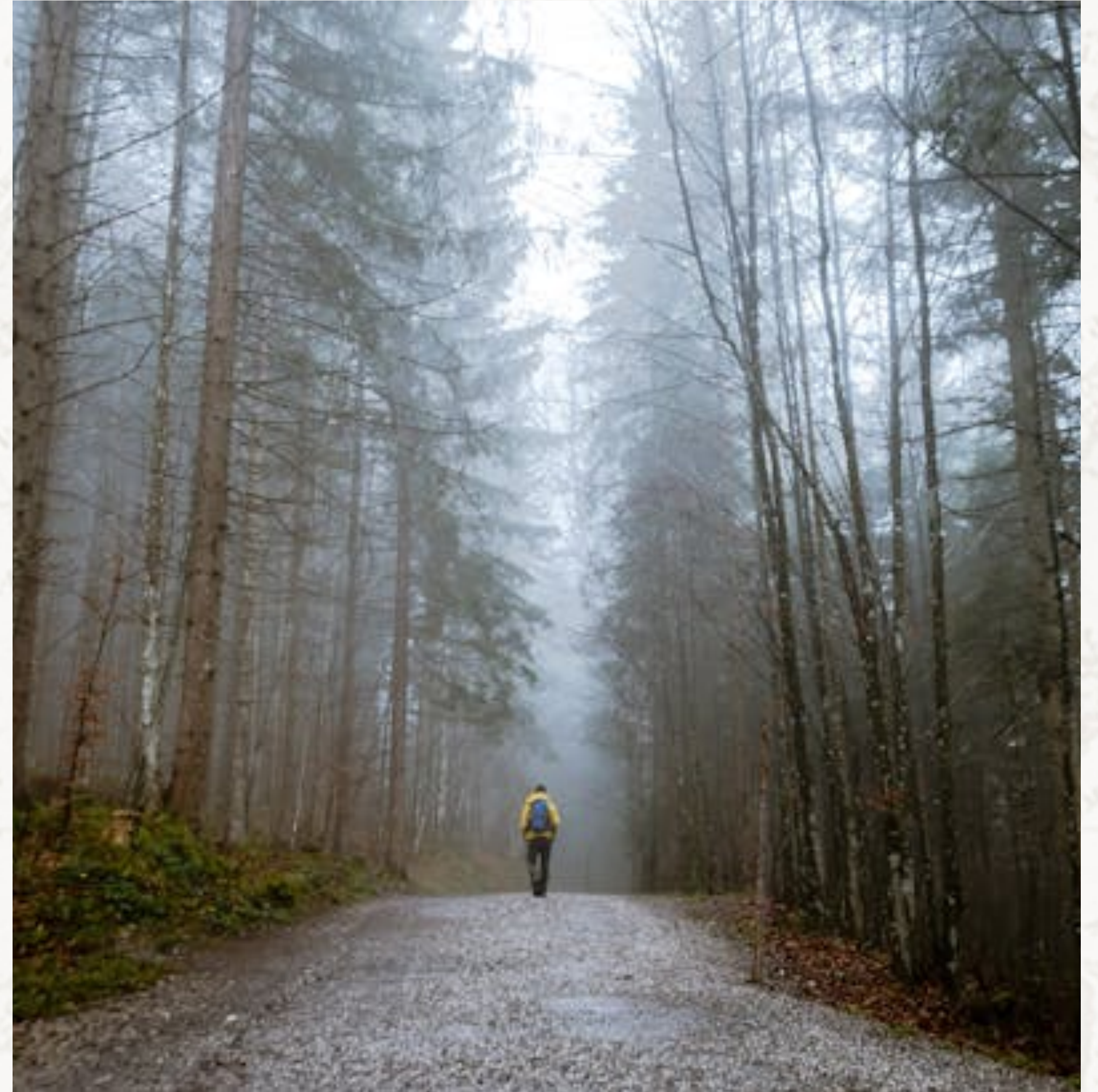
# Technology

## Goal inputs

What is possible?

What is supportable?

What is feasible?

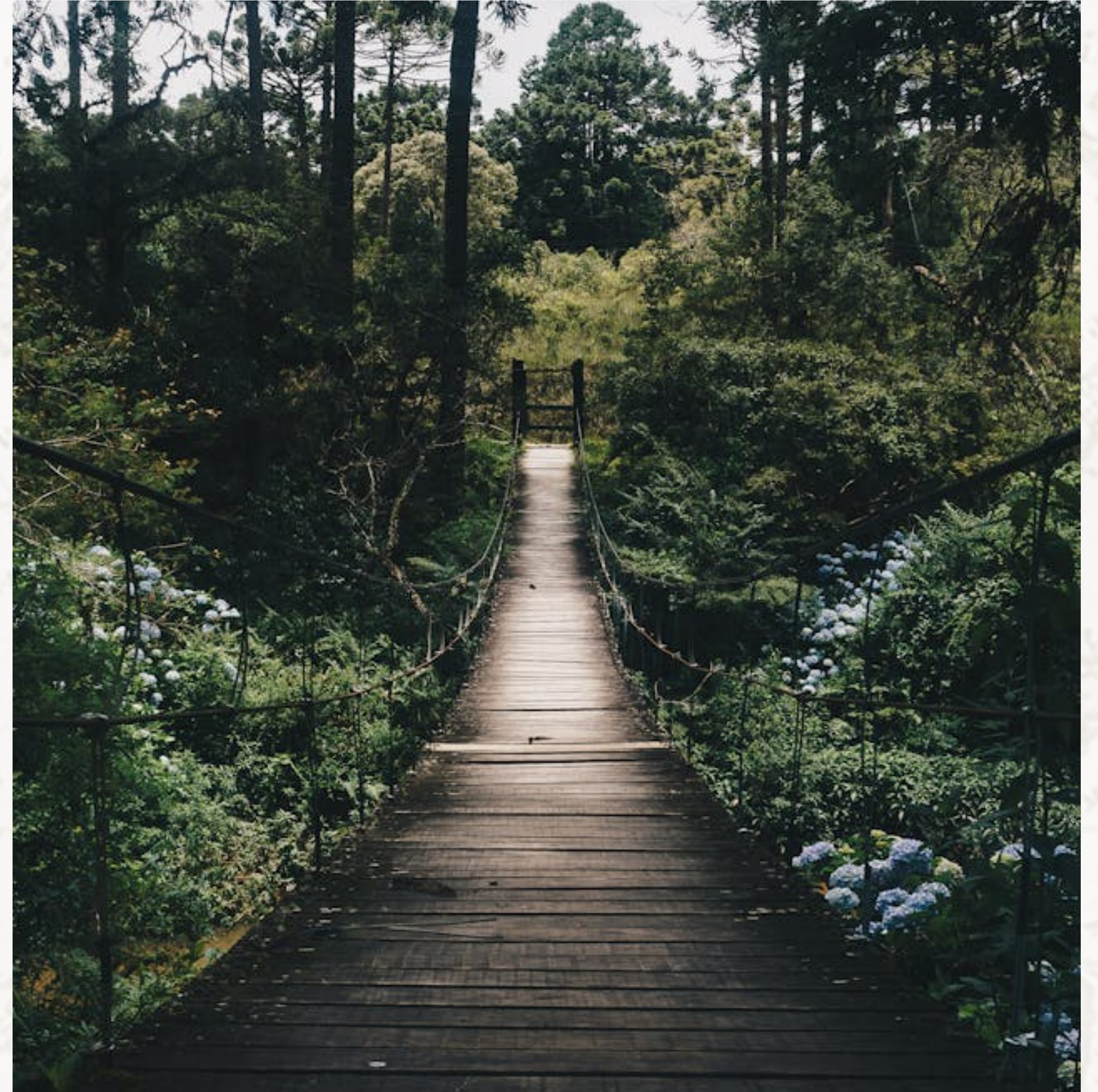




# Cost

## Goal inputs

Cost, price, purchase decision  
is the result of value to a customer  
enough value



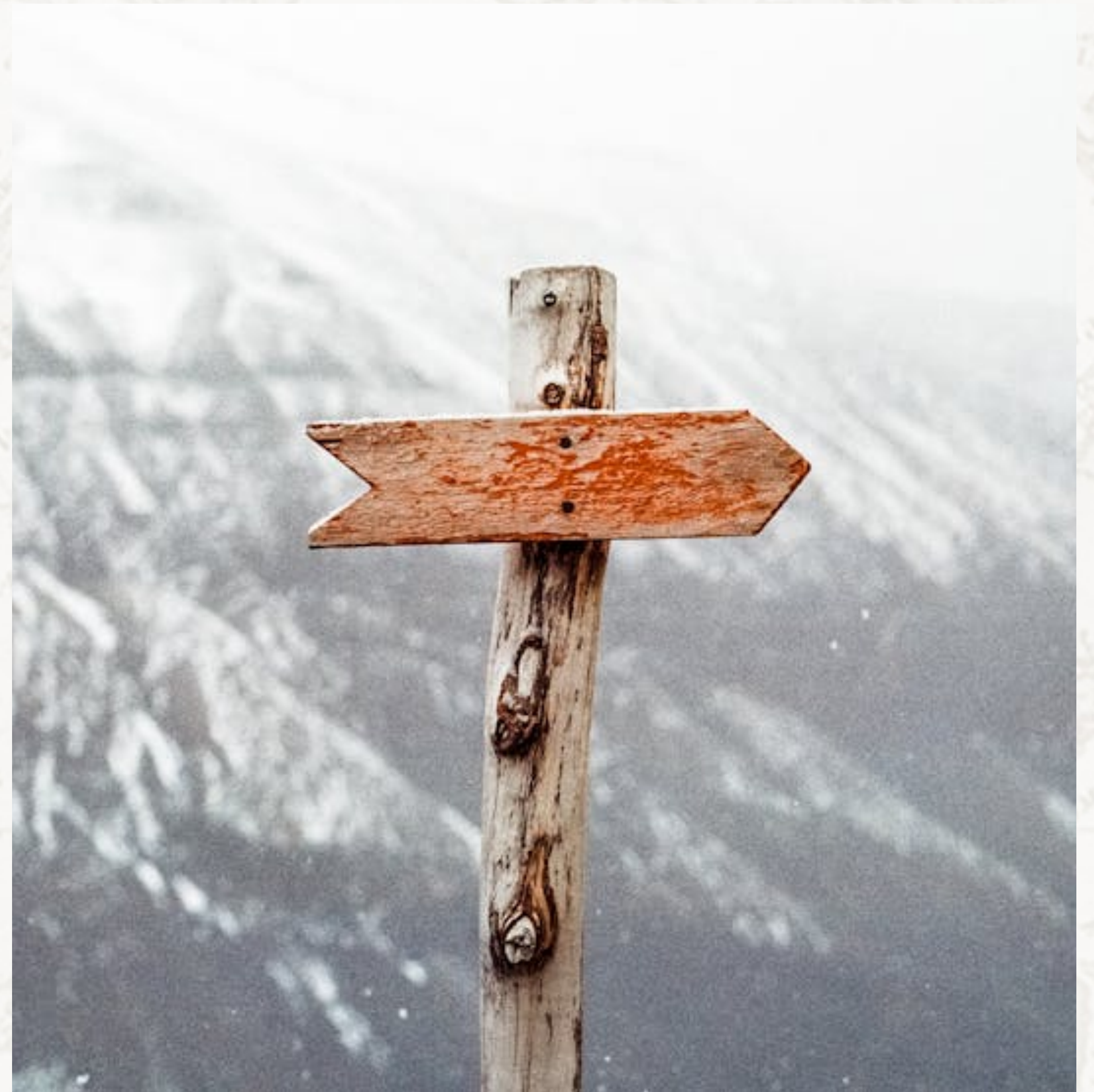


# Expectations

Goal inputs

The customers' or market  
expectation of reliability

You're brand promise plays a role  
here





**What is the value**  
**of a goal?**



# Value of a Goal





# Alignment

## Value of a Goal

One common goal

with appropriate processes

this limits mistaken  
assumptions





# Measurable Value of a Goal

Measurable, so measure it

System models help here

Get the feedback to the team early  
and often

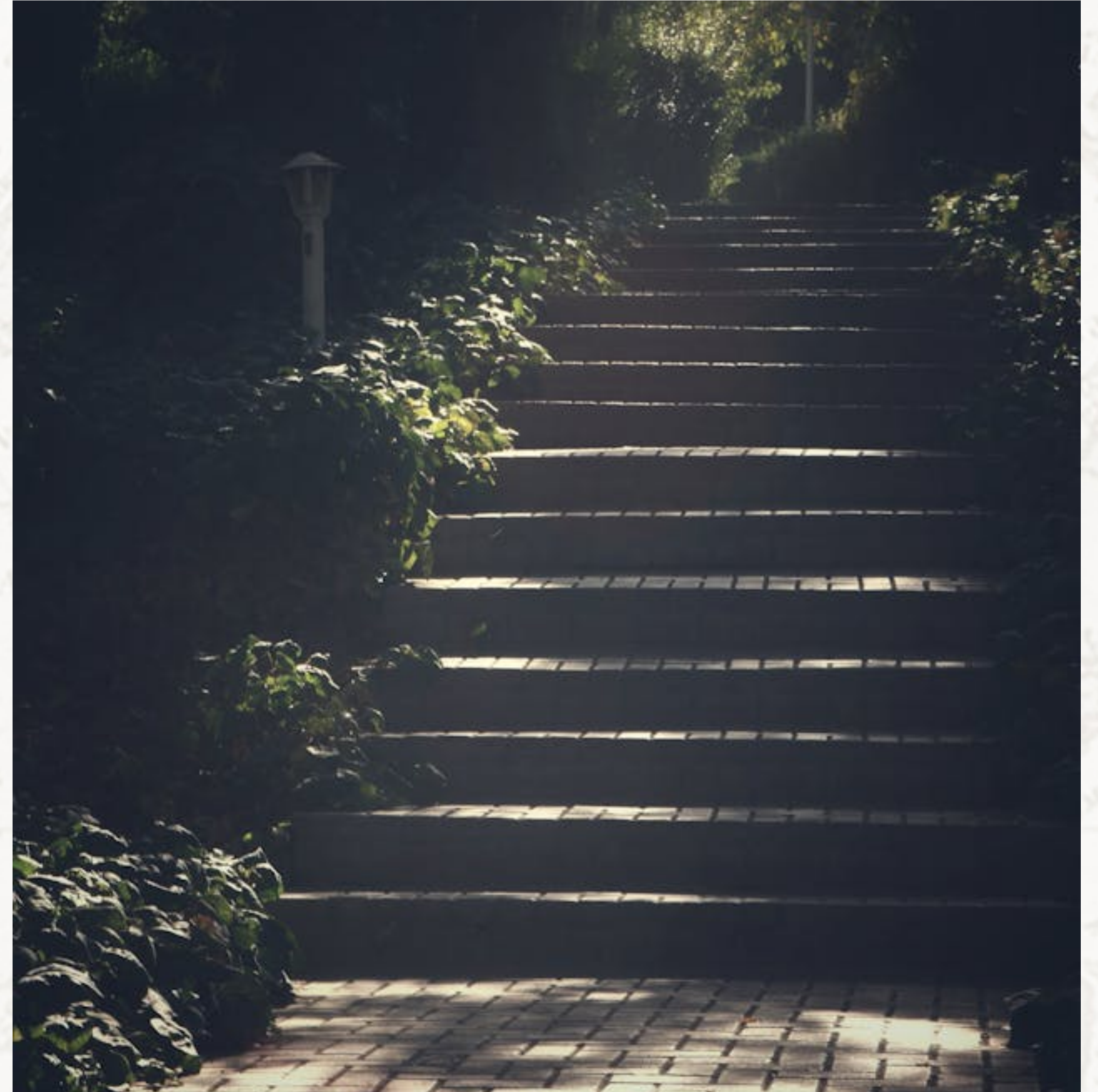




# Priorities

## Value of a Goal

A goal helps the team focus  
on the vital few  
unknowns or limitations





Are goals

working for you?



# Additional Comments and Questions



# Thanks

**see more at [AccendoReliability.com](https://AccendoReliability.com)**